

ENVIRON® ENV39-NC490

Polycarbonate + PBT

ENVIROPLAS®, Inc.

Message:

Foamable - Injection Molding Grade, Fiberglass Reinforced, Flame Retardant, UV Stabilized, Good Chemical and Heat Resistance, RoHS Compliant
NC490 = To Be Assigned 5 Digit Number Indicating Natural, Black, or Limited Available Custom Color.

Contact Enviroplas Regarding UL Recognized Versions Of This Product.

General Information			
Filler / Reinforcement	Glass Fiber, 7.5% Filler by Weight		
Additive	Flame Retardant		
	UV Stabilizer		
Features	Flame Retardant		
	Foamable		
	Good Chemical Resistance		
	Good UV Resistance		
	High Heat Resistance		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			ASTM D792
-- ¹	1.14	g/cm ³	
--	1.27	g/cm ³	
Molding Shrinkage - Flow	4.0 to 6.0	%	ASTM D955
Ash Content	7.5	%	ASTM D5630
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 6.00 mm)	48.3	MPa	ASTM D638
Flexural Modulus (6.00 mm)	2910	MPa	ASTM D790
Flexural Strength (6.00 mm)	80.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.00 mm)	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.00 mm)	107	°C	ASTM D648

Flammability	Nominal Value	Test Method
Flame Rating ²		Internal Method
	V-0	
3.00 mm	5VA	
	V-0	
6.00 mm	5VA	
Injection	Nominal Value	Unit
Drying Temperature	104	°C
Drying Time	3.0 to 4.0	hr
Rear Temperature	238 to 254	°C
Middle Temperature	243 to 260	°C
Front Temperature	249 to 266	°C
Nozzle Temperature	243 to 260	°C
Mold Temperature	65.6 to 93.3	°C
Injection Rate	Moderate	
Back Pressure	0.345 to 0.689	MPa
Screw Speed	50 to 80	rpm
NOTE		
1.	Foamed at 6mm	
2.	Pending UL submission	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

